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ASH GROVE CEMENT WEST, INC.

SEATTLE, WA 98134  
INTER-OFFICE MEMORANDUM

Date: August 28, 1990

To: Dick Cooke

From: Nate Fernow *Nate*

Copies to: Steve Rinella , SM&G

Subject: Settling Pond Outflow

Ken Rone

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During the recent ground water / dewatering study done by RZA they pumped approximately 105 gallons per minute to our pond over a 24 hour period. This inflow of water raised the pond level 1.3 feet above the normal levels experienced this time of year.

Attached is a graph that shows the pond level over this period and the level dropping after the RZA pumps had been shut off. I hope that this data will be useful for evaluating the effectiveness of the proposed dry well system.

Estimated volume data based on the pond surface area of 100' x 150' or 112200 sq.ft. There was no measurable rainfall over the period shown but there was no attempt to prevent any normal flow to the pond.

A. Inflow in excess of percolated volume:

1.328'/24hrs or 103.5 gal/min

B. Outflow during the week with the compressor water cycling the cooling tower sump\* regularly:

0.115'/24hrs or 9.0 gal/min

C. Outflow over the weekend with no equipment running:

0.234'/24hrs or 18.0 gal/min

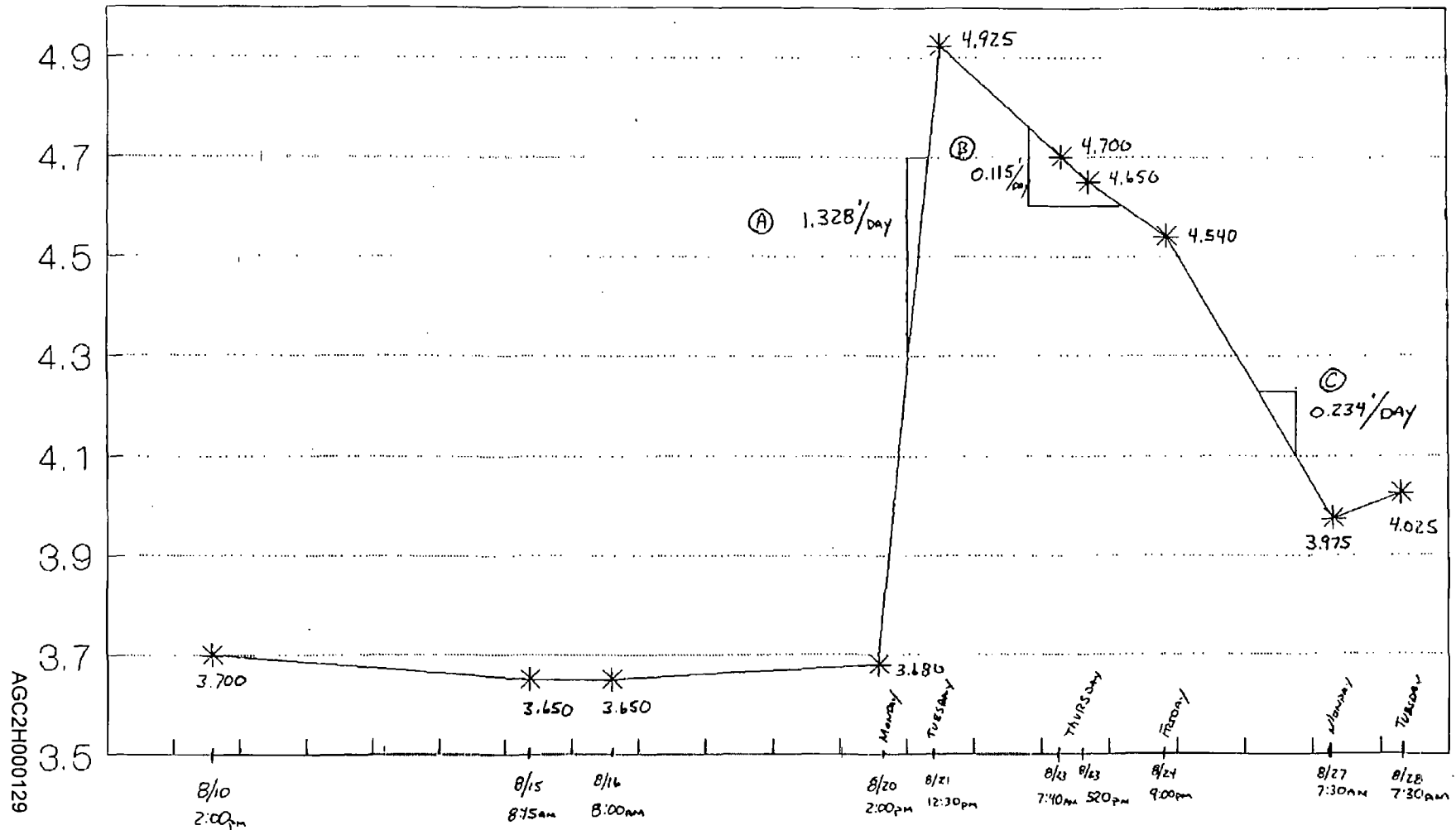


\* Recall that the cooling tower sump has a leaking valve that allows water to drain the pond.

# SEATTLE SETTLING POND

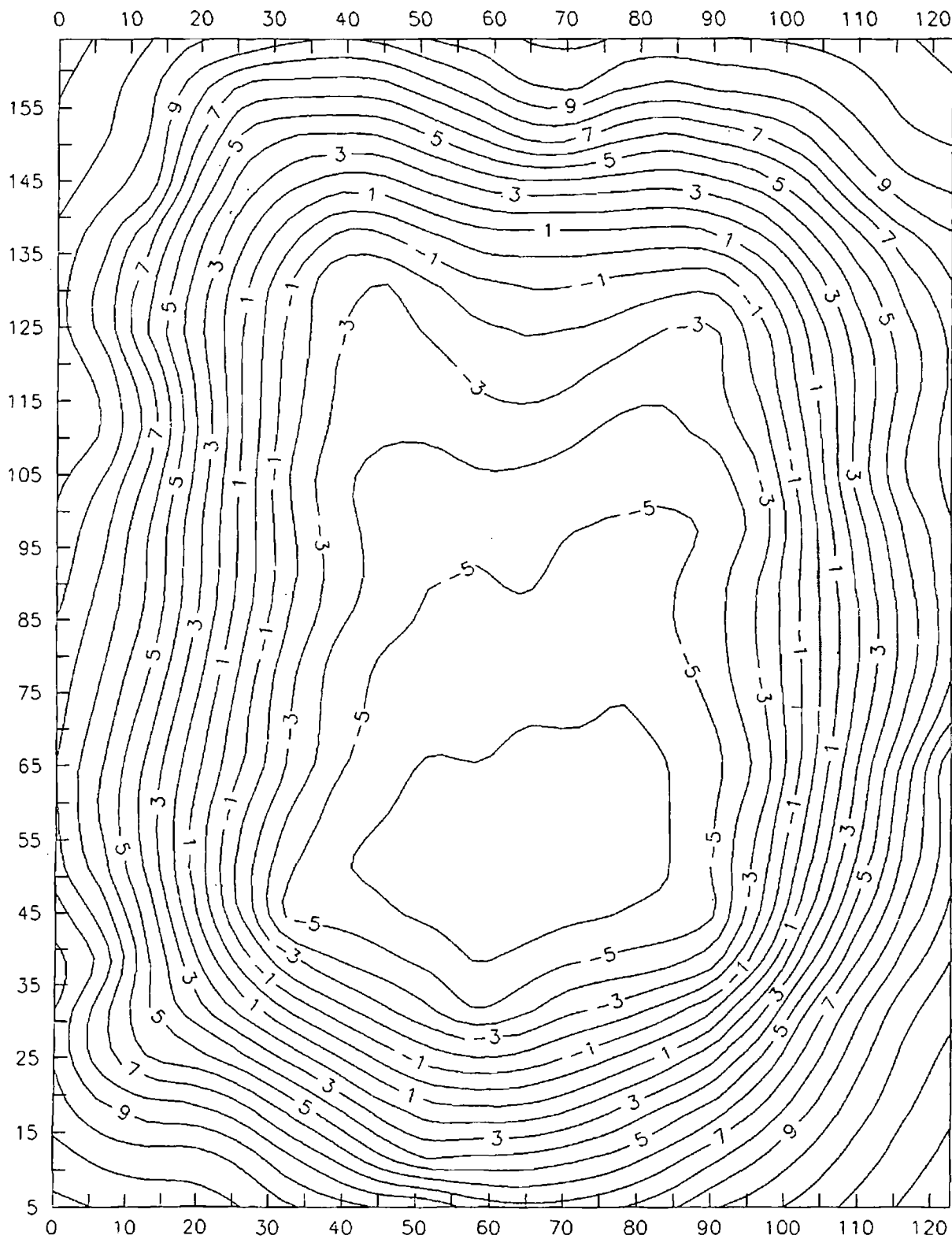
## PERCOLATION DATA 1990

WATER LEVEL (MSL)



# AGCW EAST TERMINAL, SETTLING POND

MSL ELEVATIONS



SCALE 1:18.18

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